

## FIGURE 1

### Human Coch-5B2 cDNA Sequence

1 GCACTCGGGC GCAGCCGGGT GGATCTCGAG CAGGTGTGAG  
CAGCCTATCA GTCACCATGT CCGCAGCCTG GATCCCGGCT CTCGGCCTCG  
GTGTGTGTCT GCTGCTGCTG CCGGGGCCCC CGGGCAGCGA GGGAGCCGCT  
CCCATTGCTA TCACATGTTT TACCAGAGGC TTGGACATCA GGAAAGAGAA  
AGCAGATGTC CTCTGCCCAG GGGGCTGCCC TCTTGAGGAA TTCTCTGTGT  
ATGGGAACAT AGTATATGCT TCTGTATCGA GCATATGTGG GGCTGCTGTC  
CACAGGGGAG TAATCAGCAA CTCAGGGGGA CCTGTACGAG TCTATAGCCT  
ACCTGGTCGA GAAAACCTATT CCTCAGTAGA TGCCAATGGC ATCCAGTCTC  
AAATGCTTTC TAGATGGTCT GCTTCTTTCA CAGTAACTAA AGGCAAAAGT  
AGTACACAGG AGGCCACAGG ACAAGCAGTG TCCACAGCAC ATCCACCAAC  
AGGTAAACGA CTAAAGAAAA CACCCGAGAA GAAAACCTGGC AATAAAGATT  
GTAAAGCAGA CATTGCATTT CTGATTGATG GAAGCTTTAA TATTGGGCAG  
CGCCGATTTA ATTTACAGAA GAATTTTGTT GGAAAAGTGG CTCTAATGTT  
GGGAATTGGA ACAGAAGGAC CACATGTGGG CTTGTGTTCAA GCCAGTGAAC  
ATCCCAAAAT AGAATTTTAC TTGAAAACT TTACATCAGC CAAAGATGTT  
TTGTTTGCCA TAAAGGAAGT AGGTTTCAGA GGGGGTAATT CCAATACAGG  
AAAAGCCTTG AAGCATACTG CTCAGAAATT CTTACGGTA GATGCTGGAG  
TAAGAAAAGG GATCCCCAAA GTGGTGGTGG TATTTATTGA TGGTTGGCCT  
TCTGATGACA TCGAGGAAGC AGGCATTGTG GCCAGAGAGT TTGGTGTCAA  
TGTATTTATA GTTTCTGTGG CCAAGCCTAT CCCTGAAGAA CTGGGGATGG  
TTCAGGATGT CACATTTGTT GACAAGGCTG TCTGTCGGAA TAATGGCTTC  
TTCTCTTACC ACATGCCCAA CTGGTTTGGC ACCACAAAAT ACGTAAAGCC  
TCTGGTACAG AAGCTGTGCA CTCATGAACA AATGATGFGC AGCAAGACCT  
GTTATAACTC AGTGAACATT GCCTTTCTAA TTGATGGCTC CAGCAGTGTT  
GGAGATAGCA ATTTCCGCCT CATGCTTGAA TTTGTTTCCA ACATAGCCAA  
GACTTTTGAA ATCTCGGACA TTGGTGCCAA GATAGCTGCT GTACAGTTTA  
CTTATGATCA GCGCACGGAG TTCAGTTTCA CTGACTATAG CACCAAAGAG  
AATGTCCTAG CTGTCATCAG AAACATCCGC TATATGAGTG GTGGAACAGC  
TACTGGTGAT GCCATTTCTT TCACTGTTAG AAATGTGTTT GGCCCTATAA  
GGGAGAGCCC CAACAAGAAC TTCCTAGTAA TTGTCACAGA TGGGCAGTCC  
TATGATGATG TCCAAGGCCC TGCAGCTGCT GCACATGATG CAGGAATCAC  
TATCTTCTCT GTTGGTGTGG CTTGGGCACC TCTGGATGAC CTGAAAGATA  
TGGCTTCTAA ACCGAAGGAG TCTCATGCTT TCTTCACAAG AGAGTTCACA  
GGATTAGAAC CAATTGTTTC TGATGTCATC AGAGGCATTT GTAGAGATTT  
CTTAGAATCC CAGCAATAAT GGTAACATTT TGACAACTGA AAGAAAAAGT  
ACAAGGGGAT CCAGTGTGTA AATTGTATTC TCATAATACT GAAATGCTTT  
AGCATACTAG AATCAGATAC AAAACTATTA AGTATGTCAA CAGCCATTTA  
GGCAAATAAG CACTCCTTTA AAGCCGCTGC CTTCTGGTTA CAATTTACAG  
TGTACTTTGT TAAAAACACT GCTGAGGCTT CATAATCATG GCTCTTAGAA  
ACTCAGGAAA GAGGAGATAA TGTGGATTAA AACCTTAAGA GTTCTAACCA  
TGCCCTACTAA ATGTACAGAT ATGCAAATTC CATAGCTCAA TAAAAGAATC

## FIGURE 1 (CONTINUED)

TGATACTTAG ACCAAAAGCA ACATTCGTTT TCTAACCATT CTGTATTGAT  
TATATAAGCA AAATGAAAAG AGAACTTAA ATGAACACAG CTCTTTAACA  
TGGTTCAGGT ACACATATTT TGACCCAAGT GGATATTTTC TTAACCA  
TCAATAATAG CTAGCTATTA CTGCAGACTA TAAAATCTGG ATATAGAAAG  
GAGACCTGTA TCAAACCTGCT TTTGTAGTGT GTTTTCATAA CAACTTATGA  
CTAAAAATAT CACACTGAAT AAGAGAGCAG GATTGCCAGG TATTTTCTA  
TTTCTCTCCT TAATTTTATA TGTATATAGA TATATTTGGC TTATATTCTA  
AGTCACCTAA GTACTTAAAA GTTAAGTTGG TAAAGTATTT ACTGACTGCT  
TATAAACATT TAAAGACAAA GACATTTCAA ATAAGTGCAG AAAAAATATT  
GTAGTTTGAA TATTTAAGCA ATAAACTGC TAGTGAGTTA TTGT

### Human Coch-5B2 Amino Acid Sequence

1 MSAAWIPALG LGVCLLLLPG PAGSEGAAPI AITCFTRGLD IRKEKADVLC  
PGGCPLEEFV VYGNIVYASV SSICGAAVHR GVISNSGGPV RVYSLPGREN  
YSSVDANGIQ SQMLSRWSAS FTVTKGKSST QEATGQAVST AHPPTGKRLK  
KTPEKKTGNK DCKADIAFLI DGSFNIGQRR FNLQKNFVGK VALMLGIGTE  
GPHVGLVQAS EHPKIEFYLK NFTSAKDVLF AIKEVGFRGG NSNTGKALKH  
TAQKFFTVDV GVRKGIPKVV VVFIDGWPSD DIEEAGIVAR EFGVNVFIVS  
VAKPIPEELG MVQDVTFVDK AVCRNNGFFS YHMPNWFMTT KYVKPLVQKL  
CTHEQMMCSK TCYNSVNIAF LIDGSSSVGD SNFRLMLEFV SNIKTFEIS  
DIGAKIAAVQ FTYDQRTEFS FTDYSTKENV LAVIRNIRYM SGGTATGDAI  
SFTVRNVFGP IRESPNKNFL VIVTDGQSYD DVQGPAAAAH DAGITIFSVG  
VAWAPLDDLK DMASKPKESH AFFTREFTGL EPIVSDVIRG ICRDFLESQQ

## FIGURE 2

### Mouse Coch-5B2 cDNA Sequence

1 CGGAGCCGCG CTTGCCGCAC TCGGGTGTAG CCGGGCGGAT  
CCCACGCAGG TCCACGGAGA TCCTCGCCAT GCCCTCGTCC AGGATCCCTG  
CTCTCTGCCT CGGTGCGTGG CTGCTGCTGC TGCTGCTGCC CCGGTTTCGC  
CGCGCCGAGG GAGCGGTTCC CATTCTGTG ACCTGCTTTA CCAGAGGCCT  
GGATATCCGA AAAGAGAAAG CAGATGTTCT CTGCCCAGGA GGCTGCTCTC  
TTGAGGAATT CTCTGTGTTT GGGAACATAG TGTATGCGTC AGTGTCCAGC  
ATCTGCGGCG CTGCTGTCCA TAGGGGAGTG ATTGGCACCT CAGGGGGACC  
TGTGCGTGTC TACAGCCTTC CTGGTCGAGA GAACTACTCC TCGGTAGATG  
CCAACGGCAT CCAGTCTCAG ATGCTTTCCC GATGGTCCGC GTCCTTCGCT  
GTGACCAAAG GCAAAAGCAG TACCCAGGAA GCCACAGGAC GGGCAGTGTC  
CACAGCCCAC CCACCTTCAG GTAAAAGACT AAAGAAGACA CCAGAGAAGA  
AGACTGGCAA CAAAGACTGT AAGGCAGACA TTGCATTTCT CATTGATGGA  
AGCTTCAATA TTGGGCAGCG CCGATTTAAT TTGCAGAAGA ATTTTGTGG  
GAAAGTGGCA CTAATGTTGG GAATTGGAAC AGAAGGACCA CACGTGGGTC  
TCGTTCAAGC CAGTGAACAC CCCAAAATAG AATTTTACTT GAAAACTTT  
ACTTCAGCCA AAGATGTCTT GTTTGCCATA AAAGAAGTAG GTTTCGAGG  
GGGTAACCTC AACACAGGAA AAGCCTTGAA GCACACTGCT CAGAAATTCT  
TTACAGCAGA CACTGGTGTG AGAAAAGGAA TACCAAAGT GGTGGTAGTG  
TTTATTGATG GTTGGCCCTC TGATGACATT GAGGAAGCAG GCATTGTGGC  
CAGAGAGTTT GGTGTCAATG TATTTATAGT TTCTGTGGCC AAGCCCATT  
CTGAAGAACT GGGGATGGTT CAAGATGTTG CATTTGTTGA CAAGGCTGTG  
TGTCGGAATA ATGGCTTCTT CTCTTATCAC ATGCCCAACT GGTGTCAC  
TACAAAATAT GTGAAGCCTC TGGTGCAGAA GCTCTGTACG CACGAACAGA  
TGATGTGCAG CAAAACCTGC TACAACTCAG TGAACATTGC CTTTCTGATT  
GACGGCTCCA GCAGTGTTGG AGATAGCAAT TTCCGCCTCA TGCTAGAATT  
TGTTTCTAAC ATAGCGAAGA CATTGAAAT CTCAGACATT GGAGCCAAGA  
TAGCTGCTGT ACAGTTCCT TATGACCAGC GCACCGAGTT CAGTTTCACT  
GACTATAATA CCAAAGAGAA CGTCTAGCT GTCCTAGCGA ACATCCGCTA  
CATGAGTGGT GGCACAGCTA CTGGTGATGC CATCGCCTTT ACTGTTAGAA  
ATGTATTTGG TCCCATAAGG GACAGCCCCA ACAAAAACCTT CCTGGTTATT  
GTCACAGATG GGCAGTCCTA TGATGATGTC CGAGGCCCTG CTGCAGCTGC  
CCATGATGCA GGTATCACCA TCTTCTCTGT TGGTGTGGCT TGGGCACCGC  
TGGATGACCT GAGAGATATG GCCTCTAAAC CCAAAGAGTC ACACGCTTTC  
TTTACCAGAG AGTTCACAGG GTTAGAACCA ATTGTCTCTG ACGTCATCAG  
AGGCATTTGT AGAGACTTCT TAGAATCCCA GCAATAACCG AACTCTGAC  
AACTCAAGGA ATACGTGCAA GGGGATCTAA TGTGCAAATT ATATTCTCAA  
TGCCTATGTA ACTTTATAGC TTACCAGTGT CAAAAAATGC GTCCACAGCT  
GTTTAAAGCA AATGAATATT CATGTGATGC TCACAATTTA GATTGGCCGA  
GACTTGATAA TCAGGCCCTT AGAACTCAG GAAAGAAGAG TTGTCATGGA  
TTAACATTGG GAGTTCAAAT ATGCATTCAA GTGGATAGGT AAGCTACACA  
GCTCAATAAA AGAACCTGGC GCTTACACAC AAAGCACTGT TCCCTCTTA  
ATCACTCTGC ATTGACCATG CAAGGAAAAC AGAACAGCTT TTAACACAG

## FIGURE 2 (CONTINUED)

ATCAAGTATA CATATTTTGA CCCATGTGGA TGTTTTCTTA AAACCAGCCA  
AGAACAGACA GCTGTTATTA TGTGCACTAG CCATAACTAC ACATTATATG  
GAATCATATA TCAAGCTTCT TTTGTAGTGT GTTTTCATAA CTTGATGGCT  
GAAATACCAC ACTGAGTAAA GGTAGGATTG CCTGGTATTT TTCTATTTAT  
ATCCTTAATT TTATGTGTAT AGACAGGCAT GTACTCCGAG GACTAAGAAA  
ATGTTTAAGC AGATAACTTT TTTTTTTTGA AAAAAAAGAT GTGTCAAGTA  
TTGTAACCGA AAAAATACAC AGCTTAATAG CTTGGCTGTC AGCAATAAAA  
CTGCTAGTGA CTAAG

### Mouse Coch-5B2 Amino Acid Sequence

1 MPSSRIPALC LGAWLLLLLL PRFARAEGAV PIPVTCFTRG LDIRKEKADV  
LCPGGCSLEE FSVFGNIVYA SVSSICGA AV HRGVIGTSGG PVRVYSLPGR  
ENYSSVDANG IQSQMLSRWS ASFAVTKGKS STQEATGRAV STAHPPSGKR  
LKKTPEKKTG NKDCKADIAF LIDGSFNIGQ RRFNLQKNFV GKVALMLGIG  
TEGPHVGLVQ ASEHPKIEFY LKNFTSAKDV LFAIKEVGFR GGNSNTGKAL  
KHTAQKFFTA DTGVRKGIPK VVVVFIDGWP SDDIEEAGIV AREFGVNVFI  
VSVAKPIPEE LGMVQDVAFV DKAVCRNNGF FSYHMPNWFG TTKYVKPLVQ  
KLCTHEQMMC SKTCYNSVNI AFLIDGSSSV GDSNFRLMLE FVSNIAKTFE  
ISDIGAKIAA VQFTYDQRTE FSFTDYNTKE NVLAVLANIR YMSGGTATGD  
AIAFTVRNVF GPIRDS PNKN FLVIVTDGQS YDDVRGPAAA AHDAGITIFS  
VGVAWAPLDD LRDMASKPKE SHAFFTREFT GLEPIVSDVI RGICRDFLES  
QQ\*

# FIGURE 3

1 MSAAWIPALGLG VCLLLLPGPAGSEGAAPIAITCFTRGLDIRKEKADV 48  
 1 .PSSR...C..AWLL.....RF.RA...V..PV..... 50  
 49 LCPGGCPLLEFSVYGNIVYASVSSICGAAVHRGVISNSGGPVRVYSLPGR 98  
 51 .....S.....F.....GT..... 100  
 99 ENYSSVDANGIQSOMLSRWSASFVTKGKSSTQEATGQAVSTAHPPTGKR 148  
 101 .....A.....R.....S... 150  
 149 LKKTPEKKTGNKDCKADIAFLIDGSFNIGQRRFNLQKNFVGKVALMLGIG 198  
 151 ..... 200  
 199 TEGPHVGLVQASEHPKIEFYLNFTSAKDVLFAlKEVGFRGGNSNTGKAL 248  
 201 ..... 250  
 249 KHTAQKFFTVDAGVRKGIPKVVVFDGWPSDDIEEAGIVAREFGVNVFI 298  
 251 .....A.T..... 300  
 299 VSVAKPIPEELGMVQDVTFDKAVCRNNGFFSYHMPNWFEGTTKYVKPLVQ 348  
 301 .....A..... 350  
 349 KLCTHEQMMSKTCYNSVNIAFLIDGSSSVGDSNFRMLLEFVSNIAKTFE 398  
 351 ..... 400  
 399 ISDIGAKIAAVQFTYDQRTESFTDYSTKENVLAVIRNIRYMSGGTATGD 448  
 401 .....N.....LA..... 450  
 449 AISFTVRNVFGPIRESFNKNFLVIVTDGQSYDDVQGPAAAAHDAGITIFS 498  
 451 ..A.....D.....R..... 500  
 499 VGVAWAPLDDLKDMASKPKESHAFFTREFTGLEPIVSDVIRGICRDFLES 548  
 501 .....R..... 550  
 549 QQ\* 550  
 551 ... 552

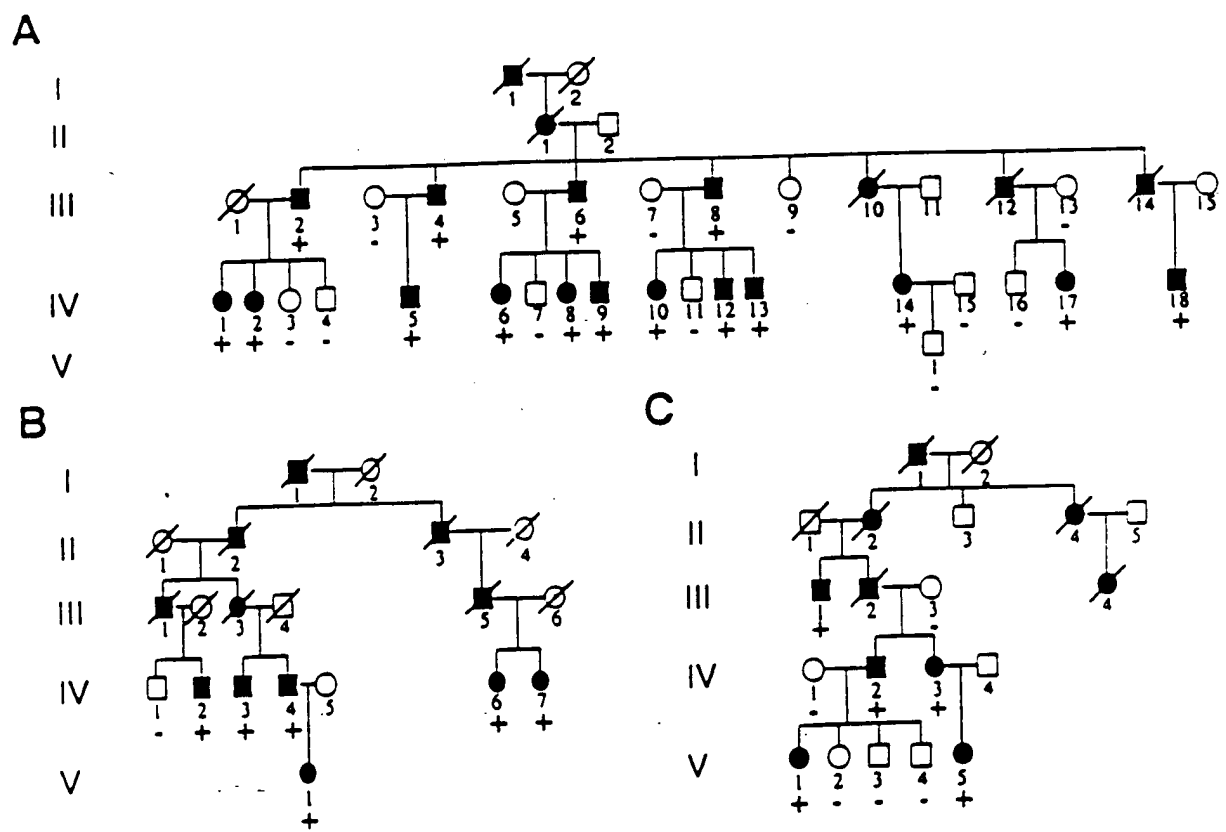
[illegible]

A	S
S	A

FIGURE 5

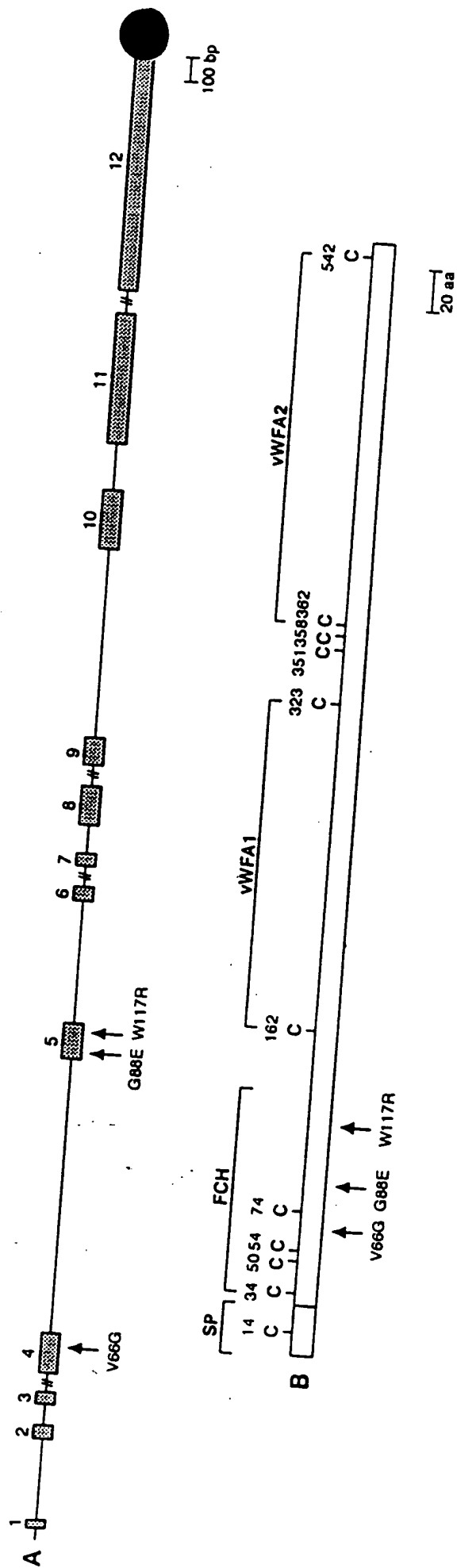


FIGURE 6





**FIGURE 7**



# FIGURE 7 (CONTINUED)

C		G	
Coch-5B2 (Human)	1	MSAAMIPALGLVC--LLLLPGAGSEGAAPIAITCTFTRG--LDIRKEKADVUGPGGCPLEEFVS YGNIVYA	68
Coch-5B2 (M use)	1	PSSR...C..AWLL...RF.RA..V..PV...I...S...F...	70
Coch-5B2 (Chicken)	1	---QFAP.L..F...CGSAR..DSS.SN...I...TE...AN...WQ.Y.F.DG...H	64
Factor C (Limulus)	331	DSKAVDF..DVG.PVRIM...A...S..TAGT.W.TAI..H	368
E		R	
69	SVSSICGAAVHRGVISNSG	CPVAVYSLPGRENYSSVDANGIQSQHLSMMSASFTVTGKKSST-QEATGQAVSTAHPPTGKRLKKTPEKKTG	158
71	GT...	A...R...S...	160
65	L...I...T.A..A..QT..Q...PA.H...V...AS..S..P.TNNLAL..V.RS.A..R.A...P...L...A..		155
369	EL..V.R..I.A.KLP...A.H.VNNGPYSDFLGS.L...K.EE.KSLAR..RFDYVR..-AGKS..		435
159	NKCKRADIAFLIDGSFNIGQRRENQKNEVGKVALMLGIGTEGPHVGLVQASEHPKIEFYLNKFTSAKDVLFAIKEVGFRGCNSNTGKALK		249
161	Y...	A..E...L...	251
156	Y...	V...V...A..E...L...	246
250	HTAQKFFTVDAGVRKGIPKVVUVFIDGWPSDDIEAGIVAREFGVNVFIVSVAKPIPEELGMVQDVTFVDKAVCRNNGFFSYHMPNWFGTT		340
252	A.T...	A...A...A...Q..S...	342
247	A...SMEN.A...II...L...L...L...TT...	IG.I...I...Q..S...	337
341	KYVKPLVQKUCCTHEQNMCKSKTCYNSVNI AFLIDGSSSVGDSNFRMLLEFVSNI AKTFEISDIGAKIAAVQFTYDQRTESFTDYSTKENVL		431
343	...	...N...	433
338	...	...T...K...	428
432	AVIRNIRYMSGGTATGDAISFTVRNVFGPIRES PNKNFLVIVTDGQSDDVQGPAAAAHDAGITIFS VGVAWAPLDDLKDHASKPKESHAF		529
434	LA...	...R...R...	524
429	SA...	...V...QK...V...E.R...T...	519
523	FTREFTGLEPIVSDVIRGICRDFLESQQ*		550
525	...	...552	
520	...QM.P...K...D.K.*		547